



1978-09

Naval Postgraduate School Graduation Exercises / Class of September 1978

Naval Postgraduate School (U.S.)

Monterey, California. Naval Postgraduate School

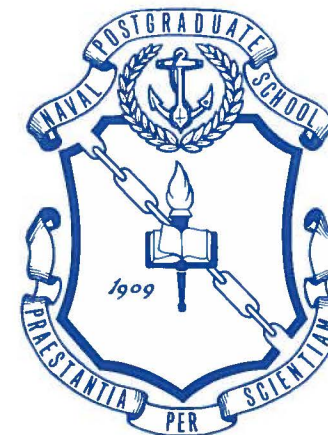
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NAVAL POSTGRADUATE SCHOOL

MONTEREY, CALIFORNIA

GRADUATION EXERCISES

FRIDAY AFTERNOON

29 SEPTEMBER 1978

AT THREE O'CLOCK

Ref.
V422
.F446
v-2

Superintendent
TYLER F. DEDMAN
Rear Admiral, United States Navy

Provost
JACK R. BORSTING
Doctor of Philosophy

Director of Programs
JOSEPH M. BARRON
Captain, United States Navy

Dean of Information and Policy Sciences
DAVID A. SCHRADY
Doctor of Philosophy

Dean of Science and Engineering
WILLIAM M. TOLLES
Doctor of Philosophy

MISSION

"To conduct and direct advanced education of commissioned officers and to provide such other technical and professional instruction as may be prescribed to meet the needs of the Naval Service; and, in support of the foregoing, to foster and encourage a program of research in order to sustain academic excellence."

the program

PROCESSIONAL

Professor ALFRED W.M. COOPER Grand Marshal
Professor CRAIG COMSTOCK Marshal
Professor JAMES M. FREMGEN Marshal
Lieutenant Colonel CLYDE J. JOHNSTON, U.S. Marine Corps Marshal

NATIONAL ANTHEM

INVOCATION

Lieutenant Commander FRANK D. MINTJAL, CHC, U.S. Navy

INTRODUCTION OF SPEAKER

Rear Admiral TYLER F. DEDMAN, U.S. Navy

ADDRESS TO GRADUATES

Vice Admiral C.R. BRYAN, U.S. Navy
Commander, Naval Sea Systems Command

PRESENTATION OF AWARDS

CNO Communications Certificate
CNO Award for Excellence in Operations Research
MORS Graduate Research Award
Naval Sea Systems Command Award in Naval Engineering

PRESENTATION OF CANDIDATES

BY DEPARTMENT CHAIRMEN

ANNOUNCEMENT OF DEGREES

Rear Admiral TYLER F. DEDMAN, U.S. Navy
Provost JACK R. BORSTING

BENEDICTION

Lieutenant Commander FRANK D. MINTJAL, CHC, U.S. Navy

RECESSIONAL



platform party

FIRST ROW (left to right)

Lieutenant Commander Frank D. Mintjal
CHC, U.S. Navy
Chaplain, Naval Postgraduate School

Captain Horace G. Holmgren
United States Coast Guard

Provost Jack R. Borsting
Provost, Naval Postgraduate School

Rear Admiral Tyler F. Dedman, U.S. Navy
Superintendent, Naval Postgraduate School

Vice Admiral C.R. Bryan, U.S. Navy
Commander, Naval Sea Systems Command

Colonel Richard D. Crosby, Jr.
United States Army

Colonel Melvin McCoury
United States Marine Corps

Captain Joseph M. Barron, U.S. Navy
Director of Programs, Naval
Postgraduate School

SECOND ROW

Professor Carl R. Jones
Department of Administrative Sciences

Professor Gordon R. Bradley
Department of Computer Science

Professor Gilbert T. Howard
Department of Operations Research

Professor George J. Haltiner
Department of Meteorology

Professor Dale F. Leipper
Department of Oceanography

Professor Donald E. Kirk
Department of Electrical Engineering

Professor Robert E. Newton
Department of Mechanical Engineering

Professor Maximilian F. Platzer
Department of Aeronautics

Professor Patrick J. Parker
Department of National Security Affairs

awards

NAVY LEAGUE OF MONTEREY AWARD for ACADEMIC ACHIEVEMENT

*Commander ROBERT A. BROCHU, U.S. Navy

CHIEF OF NAVAL OPERATIONS COMMUNICATIONS AWARD

*Lieutenant Commander IVANO de AZEVEDO ROCHA, Brazilian Navy

CHIEF OF NAVAL OPERATIONS COMMUNICATIONS CERTIFICATE

Lieutenant TODD T.W. BRUNER, U.S. Navy

CHIEF OF NAVAL OPERATIONS AWARD for EXCELLENCE IN OPERATIONS RESEARCH

Captain DAVID L. CHADWICK, U.S. Marine Corps

MILITARY OPERATIONS RESEARCH SOCIETY GRADUATE RESEARCH AWARD

Lieutenant Commander STEPHEN R. WOODALL, U.S. Navy

NAVAL SEA SYSTEMS COMMAND AWARD in NAVAL ENGINEERING

Lieutenant Commander WALLACE P. FINI, U.S. Navy

*Awarded in absentia

NAVAL POSTGRADUATE SCHOOL DEPARTMENT CHAIRMEN

Professor GEORGE J. HALTNER
Meteorology

Professor DONALD E. KIRK
Electrical Engineering

Professor CARROLL O. WILDE
Mathematics

Professor MICHAEL G. SOVEREIGN
Operations Research

Professor PATRICK J. PARKER
National Security Affairs

Professor MAXIMILIAN F. PLATZER
Aeronautics

Professor DALE F. LEIPPER
Oceanography

Professor PAUL J. MARTO
Mechanical Engineering

Professor KARLHEINZ E. WOEHLE
Physics and Chemistry

Professor GORDON H. BRADLEY
Computer Science

Professor CARL R. JONES
Administrative Science

NAVAL POSTGRADUATE SCHOOL CURRICULAR OFFICERS

Lieutenant Commander JOSEPH H. CYR, JR., U.S. Navy
Operations Research/Systems Analysis

Commander GERALD L. DEVINS, U.S. Navy
Aeronautical Engineering

Commander ROBERT A. PERSELL, JR., U.S. Navy
Electronics and Communications

Commander EDWARD J. MAHON, U.S. Navy
Weapons Engineering

Commander GEORGE P. NEYMAN, U.S. Navy
Naval Engineering

Commander LANNY A. YESKE, U.S. Navy
Environmental Sciences

Commander KENT A. LINK, U.S. Navy
Administrative Sciences

Commander MICHAEL C. ROTH, U.S. Navy
Computer Technology

Commander THOMAS H. BARR, U.S. Navy
Naval Intelligence

Lieutenant Colonel FRANCIS R. MURPHY, U.S. Air Force
Command, Control and Communications

the graduates

*Those officers whose names are preceded by an * are being presented their degrees in absentia.*

BACHELOR OF SCIENCE IN ELECTRICAL ENGINEERING

*BOONYAPAN, Pramuan, LT,
Royal Thai Navy

*KAWAMURA, Masami, LT, Japanese
Maritime Self Defense Force

*DE SOUSA, Luis F.F., LT, Portuguese
Navy

BACHELOR OF SCIENCE IN OCEANOGRAPHY

*PADILLA, Patricio M., LT, Ecuadorian Navy

BACHELOR OF SCIENCE IN ENGINEERING ACOUSTICS

*IOANNOU, Ioannis, LT, Hellenic Navy

BACHELOR OF SCIENCE IN PHYSICS

*GUNER, Nusret, LTJG, Turkish Navy

*PARLAR, Cem Yildirim, LTJG, Turkish Navy

MASTER OF ARTS IN NATIONAL SECURITY AFFAIRS

*FERGUSON, Michael M., CPT, USA

*McELROY, Craig A., CAPT, USAF

*HARRINGTON, Don R., CAPT, USAF

KING, "W" "O", Jr., LCDR, USN

*BERGQUIST, Ronald E., CAPT, USAF

WEEKS, Floydston A., LCDR, USN

*CHRISTON, Christopher, CAPT,
USAF

MASTER OF SCIENCE IN AERONAUTICAL ENGINEERING

ELLIOTT, Mack T., LT, USN

MAXWELL, George G., LT, USN

FIFER, Richard M., LCDR, USN

MERTZ, Albert G., LCDR, USN

KOGER, Gary L., LT, USN

MASTER OF SCIENCE IN MECHANICAL ENGINEERING

| | |
|-----------------------------------|----------------------------------|
| SPEIGHT, George R., Jr., LT, USCG | MILLER, Michael L., LT, USN |
| FENNER, James H., LT, USN | MOSBY, David C., LT, USN |
| FINI, Wallace P., LCDR, USN | STAEHLI, Christopher P., LT, USN |
| HOFFMANN, Phillip P., LT, USN | WELCH, Daniel R., LT, USN |
| LEMKE, Robert J., LT, USN | |

MASTER OF SCIENCE IN ELECTRICAL ENGINEERING

| | |
|---|------------------------------|
| MEAD, Richard R., LT, USCG | *GAUSS, John A., LT, USN |
| BRUNER, Todd T.W., LT, USN | POLAND, Marc M., LT, USN |
| CULPEPPER, James C., LT, USN | ROOD, Homer J., LT, USN |
| FRAME, Danny R., LT, USN | RUSSELL, William D., LT, USN |
| FREIRE, Marcelo V., LT, Ecuadorian Navy | SCHUE, Richard E. |
| | THOMAS, Ronald M., LT, USN |

MASTER OF SCIENCE IN OCEANOGRAPHY

| | |
|---------------------------|----------------------------------|
| CLARK, Gerald W., LT, USN | SEDIVY, Dean G., LT, USN |
| KALLIN, Peter L., LT, USN | CUBUKCU, Nazim, LT, Turkish Navy |

MASTER OF SCIENCE IN METEOROLOGY AND OCEANOGRAPHY

| | |
|-------------------------------|--|
| QUINN, Paul F., LT, USN | GONCALO, Vitor M.H., LT, Portuguese Navy |
| SHERFESEE, Louis III, LT, USN | YUN, Jae Y., LT, Korean Navy |

MASTER OF SCIENCE IN METEOROLOGY

*NAGLE, Bruce M., CAPT, USAF

MASTER OF SCIENCE IN OPERATIONS RESEARCH

| | |
|--------------------------|---------------------------------|
| GIBSON, Lee P., CPT, USA | CHADWICK, David L., CAPT, USMC |
| OBERT, John L., CPT, USA | JENNINGS, Joseph F., CAPT, USMC |

MASTER OF SCIENCE IN OPERATIONS RESEARCH (Continued)

| | |
|--|--|
| OLSEN, Peter C., LT, USCG | CAGLAYAN, Resai, LT, Turkish Navy |
| CARLIN, James J., Jr., LT, USN | DE PAULA NETO, Antonio, LCDR, Brazilian Navy |
| DAVIS, Michael W. | EKMEKCI, Ali, LT, Turkish Navy |
| FOX, Tally B., LT, USN | GJELSTEN, Roald, LCDR, Royal Norwegian Navy |
| *GORMAN, Howard P., Jr., LT, USN | MUELLER, Michael P., CAPT, Federal German Army |
| KUCHINSKI, John G., Jr., LCDR, USN | PIETSCH, Karl-Heinz, MAJ, Federal German Army |
| TURNER, Archie A., III, LCDR, USN | RODRIGUES, Jose A.T.C., CDR, Portuguese Navy |
| WHITEHEAD, Martha L., LT, USN | SAGDIC, Kadir, LTJG, Turkish Navy |
| WILLIAMS, Thomas C., Jr., LT, USN | |
| WOODALL, Stephen R., LCDR, USN | |
| ZUHOSKI, Charles P., LCDR, USN | |
| ACAR, Mustafa, LT, Turkish Navy | |
| BOONSONG, Prasert, LCDR, Royal Thai Navy | |

MASTER OF SCIENCE IN APPLIED MATHEMATICS

WOODALL, Stephen R., LCDR, USN

MASTER OF SCIENCE IN COMPUTER SCIENCE

| | |
|--------------------------|------------------|
| MONK, Carl W., LCDR, USN | MYLET, Philip R. |
|--------------------------|------------------|

MASTER OF SCIENCE IN SYSTEMS TECHNOLOGY

KALLIN, Peter L., LT, USN

MASTER OF SCIENCE IN COMPUTER SYSTEMS MANAGEMENT

| | |
|----------------------------|---------------------------|
| BLAIR, Carl N., CAPT, USMC | GOULET, Gerard A. |
| GRANT, Hugh T.H., LT, USCG | HEIN, Eugene V., LT, USN |
| BRET, Robert E., LT, USN | TUSSEY, David A., LT, USN |
| DOOLEY, James M. | |

MASTER OF SCIENCE IN MANAGEMENT

| | |
|------------------------------------|------------------------------------|
| KISHMAN, Francis J., Jr., LT, USCG | *HOLLEY, Dewey A., LCDR, USN |
| PISTELLI, Ido E., MAJ, USMC | KIMSEY, Robert D. |
| BAILEY, William F. | KLEIN, Terry O., LT, USN |
| *BROCHU, Robert A., CDR, USN | LANTTA, Kenneth D., LT, USN |
| BUFFUM, Robert S. | LITTLETON, Joseph S., III, LT, USN |
| CONNER, Terrence A., LT, USN | LOSQUADRO, Joseph P., LCDR, USN |
| *COOPER, Michael R., LT, USN | MATE, Gerald E., LCDR, USN |
| DIEKEMPER, Jerome V., LCDR, USN | MILLER, Felton, LT, USN |
| EVERS, William B., LT, USN | RASMUSSEN, Kenneth H., CDR, USN |
| FISHER, Rodney L., LCDR, USNR | *REED, Edgar A., III |
| HANSON, Ryan L., LT, USN | SPANGENBERG, Donald N. |



AERONAUTICAL ENGINEER

OLSEN, Peter C., LT, USCG

MECHANICAL ENGINEER

FINI, Wallace P., LCDR, USN

WELCH, Daniel R., LT, USN

THE NAVAL POSTGRADUATE SCHOOL

The Naval Postgraduate School had a modest beginning at the Naval Academy at Annapolis in 1909, at which time the first class of ten officers enrolled in the School of Marine Engineering. In 1912, the School was designated the Postgraduate Department of the Naval Academy, and the scope of its engineering curricula was broadened to include Ordnance, Naval Construction and Civil Engineering.

After a suspension of operations during World War I, the Postgraduate Department resumed operations in 1919; two years later it was officially designated the "Naval Postgraduate School." A further extension of its curricula and the growth of its enrollment took place in the years between the two World Wars.

In 1927, the General Line Course was started within the Postgraduate School to acquaint junior line officers with modern developments taking place in the Navy and to broaden their professional knowledge by means of integrated courses in naval science.

World War II caused an increase in enrollment in the Engineering curricula from about 125 to over 600 and a tremendous expansion of activity in contrast to the complete suspension of operations during World War I. After hostilities ceased in 1945, a program was initiated to relocate the Postgraduate School and improve its professional status. Between 1945 and 1948, legislation was passed establishing the School as a separate activity under its own Superintendent; creating the office of Academic Dean; granting the Superintendent the right to award Bachelor's, Master's and Doctor's degrees; authorizing the re-establishment at Monterey, California, and purchasing the Del Monte site. The move to Monterey was commenced in 1948 and completed in 1951.

In 1956, the Navy Management School was established as a component of the Postgraduate School. Its mission was to provide graduate education for Naval officers in the theories, philosophies and application of scientific methods of management specifically oriented to the Navy in order to advance efficiency and economy of operation afloat and ashore. In August 1960, the Management School curriculum was lengthened from a five to a ten-month course leading to a Master's degree for those who could meet the requirements for such a degree.

In 1958, the General Line School was redesignated as the General Line and Naval Science School and a Bachelor of Science curriculum was offered to meet the educational and career requirements of selected officers who did not have baccalaureate degrees. Further developments in the undergraduate program resulted in recognition of the need for a Bachelor of Arts curriculum, which was subsequently inaugurated in the General Line and Naval Science School in August 1961.

A major internal reorganization was approved by the Chief of Naval Personnel and became effective on 3 August 1962. The three component schools were consolidated into a single unified Postgraduate School, with academic operations under the direction of a Director of Programs (military) and a Dean of Programs (civilian). The reorganization in no way changed the curricula offered, but achieved unity of policy and gave emphasis to the educational programs required for the Navy.

academic dress

The cap and gown and colorful hood so prominent in commencement ceremonies resemble to some extent articles of dress worn by church and university dignitaries in the Middle Ages. The cap and gown indicate that the wearer is a member of a university or college. The hood shows the degree the wearer holds.

The gown for the bachelor's degree has pointed sleeves and is designed to be worn closed. The master's gown has closed sleeves, square at the end, the arms coming through a slit at the elbow; it may be worn open or closed. The doctor's gown has bell-shaped sleeves and may be worn open or closed. Down the front the doctor's gown has a facing of velvet and three bars of the same material on each sleeve. The facing and bars may be either black or the color distinctive of the subject to which the degree pertains. The cap is worn for all degrees; the doctor may wear a golden tassel.

Hoods are normally black with a colorful lining rolled outward. Bachelor's hoods are three feet long, master's three and one half feet, and doctor's four feet.

For all academic purposes, including trimmings for the doctor's gown, edgings of hoods, and tassels of caps, the colors associated with the different subjects are as follows:

| | | | |
|---------------------------------|------------|--------------------------|---------------|
| Agriculture | Maize | Library Science | Lemon |
| Arts, Letters, Humanities | White | Music | Pink |
| Business, Commerce | Drab | Pharmacy | Olive Green |
| Education | Light Blue | Philosophy | Dark Blue |
| Engineering | Orange | Physical Education | Sage Green |
| Forestry | Russet | Science | Golden Yellow |
| Home Economics | Maroon | Theology | Scarlet |
| Law | Purple | Veterinary Science | Gray |

The silk or satin lining of the hood is the color or colors of the university or college which conferred the degree. Some have a slash or chevron of contrasting color. For example:

| University Granting Degree | Lining | Slash or Chevron |
|---------------------------------|--------------------------|------------------|
| University of Wisconsin | Bright Red | |
| University of Minnesota | Old Gold | Maroon |
| Yale University | Blue | |
| University of California | Gold | Yale Blue |
| University of Washington | Purple Above Gold | |
| University of Oregon | Lemon Yellow | Dark Green |
| New York University | Violet | |
| Stanford University | Cardinal | |
| Columbia University | Light Blue | White |
| University of Michigan | Maize | Blue |
| University of Texas | White Above Orange | Burnt Orange |
| Duke University | Royal Blue | White |
| Cornell University | Cardinal | Two White |
| Harvard University | Crimson | |
| Michigan State University | Green | White |
| Iowa State University | Gold Above Cardinal | |
| State University of Iowa | Old Gold | |
| Oregon State University | Burnt Orange | |
| Lewis and Clark College | Princeton Orange | Black, Orange |
| University of Denver | Cardinal | Gold |

The Naval Postgraduate School hood has a satin lining of dark blue with a gold chevron.

